

## Operational Description

The BriteCell™ Fast system is a fiber optic distribution system for wireless signals. It consists of a donor unit (TFLF) feeding up to 4 remote units (TFAF) in a star topology.

Each remote unit directly feeds up to two coverage antennas.

The connection between the BTS and BritecellFAST system can either be direct or, through a repeater, via a duplexed N-connector.

Both donor and remote units are powered at -48VDC (telecom supply). Donor and remote units can be connected with practical pre-connectorized composite fibre optic cable ( cable with twin fibre and copper for remote supply).

The system installation doesn't require any particular calculation or setting, making it a real plug-and-play system. Some useful functionalities (software and hardware) simplifies diagnostic and commissioning:

- Downlink optical power test point
- Uplink adjustable gain setting
- Link diagnostic by means of individual link LEDs
- Downlink ALC (Automatic Level Control)
- Optical AGC (Automatic Gain Control)